

N. Davis



16.

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/730, 379 B

Source: 1642

Date Processed by STIC: 9/24/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1642

RAW SEQUENCE LISTING

DATE: 09/26/2001

PATENT APPLICATION: US/09/730,379B

TIME: 10:25:29

Input Set : A:\955-7PCON.app.txt

Output Set: N:\CRF3\09262001\I730379B.raw

3 <110> APPLICANT: Simantov M.D., Ronit
 4 Silverstein M.D., Roy L.
 6 <120> TITLE OF INVENTION: THROMBOSPONDIN-BINDING REGION OF HISTIDINE-RICH
 7 GLYCOPROTEIN AND METHODS OF USE
 10 <130> FILE REFERENCE: 955-7P/CON
 12 <140> CURRENT APPLICATION NUMBER: 09/730,379B
 13 <141> CURRENT FILING DATE: 2000-12-05
 15 <160> NUMBER OF SEQ ID NOS: 13
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 75
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens

**Does Not Comply
Corrected Diskette Needed**

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

W--> 24 <300> PUBLICATION INFORMATION: PUBLICATION INFORMATION

25 <303> JOURNAL: Biochemistry

26 <304> VOLUME: 25

27 <305> ISSUE: 8

28 <306> PAGES: 2220-2225

29 <307> DATE: 1986

30 <308> DATABASE ACCESSION NO: GenBank/P04196

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33 Gly Pro Arg Pro Phe His Cys Arg Gln Ile Gly Ser Val Tyr Arg Leu

34 1 5 10 15

36 Pro Pro Leu Arg Lys Gly Glu Val Leu Pro Leu Pro Glu Ala Asn Phe

37 20 25 30

39 Pro Ser Phe Pro Leu Pro His His Lys His Pro Leu Lys Pro Asp Asn

40 35 40 45

42 Gln Pro Phe Pro Gln Ser Val Ser Glu Ser Cys Pro Gly Lys Phe Lys

43 50 55 60

45 Ser Gly Phe Pro Gln Val Ser Met Phe Phe Thr

46 65 70 75

49 <210> SEQ ID NO: 2

50 <211> LENGTH: 58

51 <212> TYPE: PRT

52 <213> ORGANISM: Homo sapiens

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55 <303> JOURNAL: Biochemistry

56 <304> VOLUME: 25

57 <305> ISSUE: 8

58 <306> PAGES: 2220-2225

59 <307> DATE: 1986

60 <308> DATABASE ACCESSION NO: GenBank/P04196

W--> 62 <300> PUBLICATION INFORMATION: 2

63 Ala Ser Phe Arg Val Asp Arg Ile Glu Arg Val Ala Arg Val Arg Gly

64 1 5 10 15

66 Gly Glu Gly Thr Tyr Phe Val Asp Phe Ser Val Arg Asn Cys Pro Arg

67 20 25 30

Line after
<300> should be
left blank.

* See sample
sequence listing
provided

Improper format

RAW SEQUENCE LISTING

DATE: 09/26/2001

PATENT APPLICATION: US/09/730,379B

TIME: 10:25:29

Input Set : A:\955-7PCON.app.txt

Output Set: N:\CRF3\09262001\I730379B.raw

69 His His Phe Pro Arg His Pro Asn Val Phe Gly Phe Cys Arg Ala Asp

70 35 40 45

72 Leu Phe Tyr Asp Val Glu Ala Leu Asp Leu

73 50 55

76 <210> SEQ ID NO: 3

77 <211> LENGTH: 9

78 <212> TYPE: PRT

79 <213> ORGANISM: Homo sapiens

82 <303> JOURNAL: Biochemistry

83 <304> VOLUME: 25

84 <305> ISSUE: 8

85 <306> PAGES: 2220-2225

86 <307> DATE: 1986

W--> 88 <300> PUBLICATION INFORMATION: PUBLICATION INFORMATION

89 <303> JOURNAL: Biochemistry

90 <304> VOLUME: 25

91 <305> ISSUE: 8

92 <306> PAGES: 2220-2225

93 <307> DATE: 1986

94 <308> DATABASE ACCESSION NO: GenBank/P04196

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98 Gly Pro Arg Pro Phe His Cys Arg Gln

99 1 5

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103 <211> LENGTH: 29

104 <212> TYPE: PRT

105 <213> ORGANISM: Homo sapiens

W--> 108 <300> PUBLICATION INFORMATION: PUBLICATION INFORMATION

109 <303> JOURNAL: Biochemistry

110 <304> VOLUME: 25

111 <305> ISSUE: 8

112 <306> PAGES: 2220-2225

113 <307> DATE: 1986

114 <308> DATABASE ACCESSION NO: GenBank/P04196

W--> 116 <300> PUBLICATION INFORMATION: 4

117 Ile Gly Ser Val Tyr Arg Leu Pro Pro Leu Arg Lys Gly Glu Val Leu

118 1 5 10 15

120 Pro Leu Pro Glu Ala Asn Phe Pro Ser Phe Pro Leu Pro

121 20 25

124 <210> SEQ ID NO: 5

125 <211> LENGTH: 29

126 <212> TYPE: PRT

127 <213> ORGANISM: Homo sapiens

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131 <303> JOURNAL: Biochemistry

132 <304> VOLUME: 25

133 <305> ISSUE: 8

134 <306> PAGES: 2220-2225

135 <307> DATE: 1986

see page 1

RAW SEQUENCE LISTING

DATE: 09/26/2001

PATENT APPLICATION: US/09/730,379B

TIME: 10:25:29

Input Set : A:\955-7PCON.app.txt

Output Set: N:\CRF3\09262001\I730379B.raw

136 <308> DATABASE ACCESSION NO: GenBank/P04196
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140 1 5 10 15
142 Phe Lys Ser Gly Phe Pro Gln Val Ser Met Phe Phe Thr
143 20 25
146 <210> SEQ ID NO: 6
147 <211> LENGTH: 7
148 <212> TYPE: PRT
149 <213> ORGANISM: Homo sapiens
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153 <303> JOURNAL: Biochemistry
154 <304> VOLUME: 25
155 <305> ISSUE: 8
156 <306> PAGES: 2220-2225
157 <307> DATE: 1986
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162 1 5
165 <210> SEQ ID NO: 7
166 <211> LENGTH: 21
167 <212> TYPE: PRT
168 <213> ORGANISM: Homo sapiens
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172 <303> JOURNAL: Biochemistry
173 <304> VOLUME: 25
174 <305> ISSUE: 8
175 <306> PAGES: 2220-2225
176 <307> DATE: 1986
177 <308> DATABASE ACCESSION NO: GenBank/P04196
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181 Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr Tyr Phe Val
182 1 5 10 15
184 Asp Phe Ser Val Arg
185 20
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189 <211> LENGTH: 30
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191 <213> ORGANISM: Homo sapiens
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195 <304> VOLUME: 25
196 <305> ISSUE: 8
197 <306> PAGES: 2220-2225
198 <307> DATE: 1986
199 <308> DATABASE ACCESSION NO: GenBank/P04196
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RAW SEQUENCE LISTING

DATE: 09/26/2001

PATENT APPLICATION: US/09/730,379B

TIME: 10:25:29

Input Set : A:\955-7PCON.app.txt

Output Set: N:\CRF3\09262001\I730379B.raw

203 1 5 10 15
205 Cys Arg Ala Asp Leu Phe Tyr Asp Val Glu Ala Leu Asp Leu
206 20 25 30
209 <210> SEQ ID NO: 9
210 <211> LENGTH: 38
211 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens
W--> 214 <300> PUBLICATION INFORMATION: PUBLICATION INFORMATION
215 <303> JOURNAL: Biochemistry
216 <304> VOLUME: 25
217 <305> ISSUE: 8
218 <306> PAGES: 2220-2225
219 <307> DATE: 1986
220 <308> DATABASE ACCESSION NO: GenBank/P04196
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223 Gly Pro Arg Pro Phe His Cys Arg Gln Ile Gly Ser Val Tyr Arg Leu
224 1 5 10 15
226 Pro Pro Leu Arg Lys Gly Glu Val Leu Pro Leu Pro Glu Ala Asn Phe
227 20 25 30
229 Pro Ser Phe Pro Leu Pro
230 35
233 <210> SEQ ID NO: 10
234 <211> LENGTH: 28
235 <212> TYPE: PRT
236 <213> ORGANISM: Homo sapiens
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239 <303> JOURNAL: Biochemistry
240 <304> VOLUME: 25
241 <305> ISSUE: 8
242 <306> PAGES: 2220-2225
243 <307> DATE: 1986
244 <308> DATABASE ACCESSION NO: GenBank/P04196
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248 1 5 10 15
250 Gly Glu Gly Thr Tyr Phe Val Asp Phe Ser Val Arg
251 20 25
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255 <211> LENGTH: 51
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
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260 <303> JOURNAL: Biochemistry
261 <304> VOLUME: 25
262 <305> ISSUE: 8
263 <306> PAGES: 2220-2225
264 <307> DATE: 1986
265 <308> DATABASE ACCESSION NO: GenBank/P04196
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RAW SEQUENCE LISTING

DATE: 09/26/2001

PATENT APPLICATION: US/09/730,379B

TIME: 10:25:29

Input Set : A:\955-7PCON.app.txt

Output Set: N:\CRF3\09262001\I730379B.raw

268 Ile Glu Arg Val Ala Arg Val Arg Gly Gly Glu Gly Thr Tyr Phe Val
 269 1 5 10 15
 271 Asp Phe Ser Val Arg Asn Cys Pro Arg His His Phe Pro Arg His Pro
 272 20 25 30
 274 Asn Val Phe Gly Phe Cys Arg Ala Asp Leu Phe Tyr Asp Val Glu Ala
 275 35 40 45
 277 Leu Asp Leu
 278 50

281 <210> SEQ ID NO: 12

282 <211> LENGTH: 58

283 <212> TYPE: PRT

284 <213> ORGANISM: Homo sapiens

W--> 286 <300> PUBLICATION INFORMATION: PUBLICATION INFORMATION

287 <303> JOURNAL: Biochemistry

288 <304> VOLUME: 25

289 <305> ISSUE: 8

290 <306> PAGES: 2220-2225

291 <307> DATE: 1986

292 <308> DATABASE ACCESSION NO: GenBank/P04196

W--> 294 <300> PUBLICATION INFORMATION: 12

295 Ala Ser Phe Arg Val Asp Arg Ile Glu Arg Val Ala Arg Val Arg Gly

296 1 5 10 15

298 Gly Glu Gly Thr Tyr Phe Val Asp Phe Ser Val Arg Asn Cys Pro Arg

299 20 25 30

301 His His Phe Pro Arg His Pro Asn Val Phe Gly Phe Cys Arg Ala Asp

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304 Leu Phe Tyr Asp Val Glu Ala Leu Asp Leu

305 50 55

308 <210> SEQ ID NO: 13

309 <211> LENGTH: 38

310 <212> TYPE: PRT

311 <213> ORGANISM: Homo sapiens

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314 <303> JOURNAL: Biochemistry

315 <304> VOLUME: 25

316 <305> ISSUE: 8

317 <306> PAGES: 2220-2225

318 <307> DATE: 1986

319 <308> DATABASE ACCESSION NO: GenBank/P04196

W--> 321 <300> PUBLICATION INFORMATION: 13

322 Gly Pro Arg Pro Phe His Cys Arg Gln Ile Gly Ser Val Tyr Arg Leu

323 1 5 10 15

325 Pro Pro Leu Arg Lys Gly Glu Val Leu Pro Leu Pro Glu Ala Asn Phe

326 20 25 30

328 Pro Ser Phe Pro Leu Pro

329 35

see page 1

VERIFICATION SUMMARY

DATE: 09/26/2001

PATENT APPLICATION: US/09/730,379B

TIME: 10:25:31

Input Set : A:\955-7PCON.app.txt

Output Set: N:\CRF3\09262001\I730379B.raw

L:24 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:32 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:1
L:54 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:62 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:2
L:88 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:97 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:3
L:108 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:116 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:4
L:130 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:138 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:5
L:152 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:160 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:6
L:171 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:180 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:7
L:193 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:201 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:8
L:214 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:222 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:9
L:238 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:246 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:10
L:259 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:267 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:11
L:286 M:256 W: Invalid Numeric Header Field, <300> has non-blank data
L:294 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:12
L:313 M:256 W: Invalid Numeric Header Field, <300> has non-blank data,
L:321 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:13

<110> Smith, John; Smithgene Inc.

<120> Example of a Sequence Listing

<130> 01-00001

<140> PCT/EP98/00001
<141> 1998-12-31

<150> US 08/999,999
<151> 1997-10-15

<160> 4

<170> PatentIn version 2.0

<210> 1
<211> 389
<212> DNA
<213> Paramecium sp.

<220> CDS
<221> (279)...(389)

<300> Doc. Richard
<301> Isolation and Characterization of a Gene Encoding a
<302> Protease from Paramecium sp.
<303> Journal of Genes
<304> 1
<305> 4
<306> 1-7
<307> 1988-06-31
<308> 123456
<309> 1988-06-31

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agggagagtg tcttgaccct cctctgcctt tgcagcttca caggcaggca ggcaggcagc 120
tgatgtggca attgctggca gtgccacagg cttttcagcc aggcttaggg tgggttccgc 180
cgcggcgcg99 cggccctct cgcgctctc tcgcgcctct ctctcgtct cctctcgtc 240

Appendix 3, page 2

ggacctgatt	aggtgagcag	gaggagggggg	cagtttagc	atg	ggt	tca	atg	ttc	agc	296
				Met	Val	Ser	Met	Phe	Ser	
				1				5		
ttg	tct	ttc	aaa	tgg	cct	gga	ttt	tgt	ttg	344
Leu	Ser	Phe	Lys	Trp	Pro	Gly	Phe	Cys	Leu	
			10					15		
tgt	ccc	aaa	gtc	ctc	ccc	tgt	cac	tca	tca	389
Cys	Pro	Lys	Val	Leu	Pro	Cys	His	Ser	Ser	
		25					30			
<210>		2								
<211>		37								
<212>		PRT								
<213>		Paramecium sp.								
<<400>		2								
Met	Val	Ser	Met	Phe	Ser	Leu	Ser	Phe	Lys	Trp
1				5					10	
Phe	Val	Cys	Leu	Phe	Gln	Cys	Pro	Lys	Val	Leu
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		35								
<210>		3								
<211>		11								
<212>		PRT								
<213>		Artificial Sequence								
<220>										
<223>										
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Met	Val	Asn	Leu	Glu	Pro	Met	His	Thr	Glu	Ile
1				5					10	
<210>		4								
<400>		4								
000										

[Annex VIII follows]

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOs	Count includes total number of SEQ ID NOs	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO: #:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

<212>	Type	Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.	M
<213>	Organism	Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.	M
<220>	Feature	Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<221>	Name/Key	Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence
<222>	Location	Specify location within sequence; where appropriate state number of first and last bases/amino acids	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified

		in feature	base was used in a sequence
<223>	Other Information	Other relevant information; four lines maximum	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<300>	Publication Information	Leave blank after <300>	0
<301>	Authors	Preferably max of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials	0
<302>	Title		0
<303>	Journal		0
<304>	Volume		0
<305>	Issue		0
<306>	Pages		0
<307>	Date	Journal date on which data published; specify as yyyy-mm-dd, MMM-yyyy or Season-yyyy	0
<308>	Database Accession Number	Accession number assigned by database including database name	0
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or MMM-yyyy	0
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999	0

<311>	Patent Filing Date	Document filing date, for patent-type citations only; specify as yyyy-mm-dd	0
<312>	Publication Date	Document publication date, for patent-type citations only; specify as yyyy-mm-dd	0
<313>	Relevant Residues	FROM (position) TO (position)	0
<400>	Sequence	SEQ ID NO should follow the numeric identifier and should appear on the line preceding the actual sequence	0

5. Section 1.824 is revised to read as follows:

1.824 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.821(c) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs; however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;